

Comparisons of Job Characteristics

Focus Occupation: Occupational Health and Safety Technicians (29-9012)

Associated Occupation: Occupational Health and Safety Specialists (29-9011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Occupational Health and Safety Technicians (29-9012)
Associated Occupation: Occupational Health and Safety Specialists (29-9011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Education and Training	9.2	15.3	17.5	>	Current knowledge level is likely sufficient
Public Safety and Security	6.9	15.2	15.9	0	Current knowledge level may be sufficient
Chemistry	4.8	14.8	11.3	<<	Extensive education and/or training may be required
Law and Government	5.9	13.2	12.5	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	12.9	13.4	0	Current knowledge level may be sufficient
Physics	4.3	11.6	9.6	<	Expanded education and/or training may be required
Biology	3.7	10.0	8.2	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Occupational Health and Safety Technicians (29-9012)
Associated Occupation: Occupational Health and Safety Specialists (29-9011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Judgment and Decision Making	9.4	12.5	10.0	<	A higher skill level may be required
Persuasion	7.4	11.6	7.6	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.2	8.5	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.2	5.1	<<	Extensive development of skills in this area may be required

Systems Analysis	6.5	10.6	8.2	<	A higher skill level may be required
Systems Evaluation	6.4	10.6	7.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Occupational Health and Safety Technicians (29-9012)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	16.1	12.9	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	13.3	11.2	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	13.2	11.6	<	Some improvement in abilities may be required
Speech Clarity	10.2	12.9	11.8	0	Current ability level may be sufficient
Speech Recognition	9.9	12.7	9.8	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	10.8	9.6	<	Some improvement in abilities may be required
Far Vision	7.8	10.7	8.5	<	Some improvement in abilities may be required
Perceptual Speed	7.4	10.1	8.5	<	Some improvement in abilities may be required
Speed of Closure	5.9	8.2	6.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Occupational Health and Safety Technicians (29-9012)

Associated Occupation: Occupational Health and Safety Specialists (29-9011)

Work Activities	Exclusivity of Activity
Analyze effectiveness of safety systems or procedures	87
Collect samples for testing	58
Communicate technical information	4
Evaluate manufacturing or processing systems	68
Follow safe waste disposal procedures	50
Perform safety inspections in industrial, manufacturing or repair setting	32
Prepare safety reports	60
Prepare technical reports or related documentation	22

Test air quality, noise, temperature, or radiation	82
Understand engineering data or reports	48
Use hazardous materials information	35
Use knowledge of materials testing procedures	70
Use pollution control techniques	62
Use scientific research methodology	21

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 93

Focus Occupation: Occupational Health and Safety Technicians (29-9012)
Associated Occupation: Occupational Health and Safety Specialists (29-9011)

Tools and Technologies	Exclusivity
Chemical evaluation instruments and supplies	10
Chromatographic measuring instruments and accessories	16
Computers	1
Content authoring and editing software	1
Data management and query software	1
Dosimetry equipment	43
Fluid mechanics equipment	11
Gas analyzers and monitors	10
Humidity and moisture measuring instruments	15
Indicating and recording instruments	2
Industry specific software	1
Light and wave generating and measuring equipment	4
Liquid and gas flow measuring and observing instruments	15
Medical exam size measuring devices	24
Metals and metallurgy and structural materials testing instruments	15
Meteorological instruments	16
Network applications software	1
Pulmonary function testing and treatment products	24
Respiratory protection	6
Safety apparel	4
Sampling equipment	12
Soil measuring equipment	20
Spectroscopic equipment	10
Surveillance and detection equipment	11
Temperature and heat measuring instruments	6
Vision protection and accessories	3
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.